

Flood Control Project Maintenance
2010 Structure Summary Report
Overall Unit and Item Ratings

Butte County Public Works

Big Chico Creek Diversion Structure

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	N

Lindo Channel Control Structure

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	M
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	N

Flood Control Project Maintenance
2010 Structure Summary Report
Overall Unit and Item Ratings

Butte County Public Works (cont.)

Lindo Channel Diversion Weir

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	M
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	N

Flood Control Project Maintenance**Unit Cover Sheet****2010 Structure Inspection Results****Butte County Public Works**

Structure
Big Chico Creek Diversion Structure

Structure Rating	A
Date of Inspection	9/3/2010
DWR Inspector	Bob Duffey
Accompanied By	Dave Herfi Butte Co.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Butte County Public Works

Structure	Structure Length	Inspection Start/End	Inspector
Big Chico Creek Diversion Structure		09/03/2010 09/03/2010	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue No.
	Start	End						Start	End		
1			Structures	Photo Documentation				39.763308 ° -121.791903 °	39.763308 ° -121.791903 °	Y	23
2			Structures	Vegetation & Obstructions		A		39.762678 ° -121.792338 °	39.762678 ° -121.792338 °	Y	1
3	0.00	0.00	Structures	Shoaling / Sedimentation		A		39.763308 ° -121.791903 °	39.763308 ° -121.791903 °		2
4	0.00	0.00	Structures	Erosion / Bank Caving		A		39.763308 ° -121.791903 °	39.763308 ° -121.791903 °		3
5	0.00	0.00	Structures	Revetments		A		39.763308 ° -121.791903 °	39.763308 ° -121.791903 °		4
6	0.00	0.00	Structures	Encroachments		A		39.763308 ° -121.791903 °	39.763308 ° -121.791903 °		5
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N		39.763308 ° -121.791903 °	39.763308 ° -121.791903 °		6
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N		39.763308 ° -121.791903 °	39.763308 ° -121.791903 °		7
9	0.00	0.00	Structures	Metal Pipes		N		39.763308 ° -121.791903 °	39.763308 ° -121.791903 °		8
10	0.00	0.00	Structures	Trash Racks		N		39.763308 ° -121.791903 °	39.763308 ° -121.791903 °		9
11	0.00	0.00	Structures	Flap Gates		N		39.763308 ° -121.791903 °	39.763308 ° -121.791903 °		10
12	0.00	0.00	Structures	Sluice/Slide Gates		A		39.763308 ° -121.791903 °	39.763308 ° -121.791903 °		11
13	0.00	0.00	Structures	Electric Gate Operators		N		39.763308 ° -121.791903 °	39.763308 ° -121.791903 °		12
14	0.00	0.00	Structures	Manual Gate Operators		A		39.763308 ° -121.791903 °	39.763308 ° -121.791903 °		13
15	0.00	0.00	Structures	Concrete Surfaces		A		39.763308 ° -121.791903 °	39.763308 ° -121.791903 °		14
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A		39.763308 ° -121.791903 °	39.763308 ° -121.791903 °		15
17	0.00	0.00	Structures	Concrete Foundations		A		39.763308 ° -121.791903 °	39.763308 ° -121.791903 °		16

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Butte County Public Works

Structure	Structure Length	Inspection Start/End	Inspector
Big Chico Creek Diversion Structure		09/03/2010 09/03/2010	Bob Duffey

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue No.
	Start	End						Start	End		
18	0.00	0.00	Structures	Security Fencing		N		39.763308 ° -121.791903 °	39.763308 ° -121.791903 °		17
19	0.00	0.00	Structures	Closure Structures		A		39.763308 ° -121.791903 °	39.763308 ° -121.791903 °		18
20	0.00	0.00	Structures	Trash Rakes		N		39.763308 ° -121.791903 °	39.763308 ° -121.791903 °		19
21	0.00	0.00	Structures	Other Metallic Items		N		39.763308 ° -121.791903 °	39.763308 ° -121.791903 °		20
22	0.00	0.00	Structures	Monolith Joints		A		39.763308 ° -121.791903 °	39.763308 ° -121.791903 °		21
23	0.00	0.00	Structures	Safety		N		39.763308 ° -121.791903 °	39.763308 ° -121.791903 °		22

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Butte County Public Works

Structure	Structure Length	Inspection Start/End	Inspector
Big Chico Creek Diversion Structure		09/03/2010 09/03/2010	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation

View of the structure.

rduffey_t_20100914_081.jpg



Levee Mile Report Line	2
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Vegetation & Obstructions

View of the upstream side of the structure.

rduffey_t_20100914_079.jpg



Levee Mile Report Line	2
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Vegetation & Obstructions

View of the discharge side of the structure.

rduffey_t_20100914_080.jpg

*** Location**

LS : Land Side
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**** Rating**

A : Acceptable
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Flood Control Project Maintenance**Unit Cover Sheet****2010 Structure Inspection Results****Butte County Public Works**

Structure
Lindo Channel Control Structure

Structure Rating	A
Date of Inspection	9/3/2010
DWR Inspector	Bob Duffey
Accompanied By	Dave Herfi Butte Co.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Butte County Public Works

Structure	Structure Length	Inspection Start/End	Inspector
Lindo Channel Control Structure		09/03/2010 09/03/2010	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue No.
	Start	End						Start	End		
1			Structures	Photo Documentation				39.761520 ° -121.797265 °	39.761520 ° -121.797265 °	Y	23
2			Structures	Vegetation & Obstructions		A		39.761517 ° -121.797263 °	39.761517 ° -121.797263 °	Y	1
3	0.00	0.00	Structures	Shoaling / Sedimentation		A		39.761520 ° -121.797265 °	39.761520 ° -121.797265 °		2
4	0.00	0.00	Structures	Erosion / Bank Caving		A		39.761520 ° -121.797265 °	39.761520 ° -121.797265 °		3
5	0.00	0.00	Structures	Revetments		A		39.761520 ° -121.797265 °	39.761520 ° -121.797265 °		4
6	0.00	0.00	Structures	Encroachments		A		39.761520 ° -121.797265 °	39.761520 ° -121.797265 °		5
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		A		39.761520 ° -121.797265 °	39.761520 ° -121.797265 °		6
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		A		39.761520 ° -121.797265 °	39.761520 ° -121.797265 °		7
9	0.00	0.00	Structures	Metal Pipes		N		39.761520 ° -121.797265 °	39.761520 ° -121.797265 °		8
10	0.00	0.00	Structures	Trash Racks		N		39.761520 ° -121.797265 °	39.761520 ° -121.797265 °		9
11	0.00	0.00	Structures	Flap Gates		N		39.761520 ° -121.797265 °	39.761520 ° -121.797265 °		10
12	0.00	0.00	Structures	Sluice/Slide Gates		A		39.761520 ° -121.797265 °	39.761520 ° -121.797265 °		11
13	0.00	0.00	Structures	Electric Gate Operators		N		39.761520 ° -121.797265 °	39.761520 ° -121.797265 °		12
14	0.00	0.00	Structures	Manual Gate Operators		A		39.761520 ° -121.797265 °	39.761520 ° -121.797265 °		13
15	0.00	0.00	Structures	Concrete Surfaces		A		39.761520 ° -121.797265 °	39.761520 ° -121.797265 °		14
16	0.00	0.00	Structures	Concrete Tilting / Settlement		M		39.761520 ° -121.797265 °	39.761520 ° -121.797265 °		15
17	0.00	0.00	Structures	Concrete Foundations		A		39.761520 ° -121.797265 °	39.761520 ° -121.797265 °		16

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Butte County Public Works

Structure	Structure Length	Inspection Start/End	Inspector
Lindo Channel Control Structure		09/03/2010 09/03/2010	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue No.
	Start	End						Start	End		
18	0.00	0.00	Structures	Security Fencing		A		39.761520 ° -121.797265 °	39.761520 ° -121.797265 °		17
19	0.00	0.00	Structures	Closure Structures		A		39.761520 ° -121.797265 °	39.761520 ° -121.797265 °		18
20	0.00	0.00	Structures	Trash Rakes		N		39.761520 ° -121.797265 °	39.761520 ° -121.797265 °		19
21	0.00	0.00	Structures	Other Metallic Items		N		39.761520 ° -121.797265 °	39.761520 ° -121.797265 °		20
22	0.00	0.00	Structures	Monolith Joints		A		39.761520 ° -121.797265 °	39.761520 ° -121.797265 °		21
23	0.00	0.00	Structures	Safety		N		39.761520 ° -121.797265 °	39.761520 ° -121.797265 °		22

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Butte County Public Works

Structure	Structure Length	Inspection Start/End	Inspector
Lindo Channel Control Structure		09/03/2010 09/03/2010	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation

View of the structure.

rduffey_t_20100914_084.jpg



Levee Mile Report Line	2
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Vegetation & Obstructions

View of the upstream side of structure.

rduffey_t_20100914_082.jpg



Levee Mile Report Line	2
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Vegetation & Obstructions

View of the downstream side of structure.

rduffey_t_20100914_083.jpg

*** Location**

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Flood Control Project Maintenance**Unit Cover Sheet****2010 Structure Inspection Results****Butte County Public Works**

Structure
Lindo Channel Diversion Weir

Structure Rating	A
Date of Inspection	9/3/2010
DWR Inspector	Bob Duffey
Accompanied By	Dave Herfi Butte Co.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Butte County Public Works

Structure	Structure Length	Inspection Start/End	Inspector
Lindo Channel Diversion Weir		09/03/2010 09/03/2010	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue No.
	Start	End						Start	End		
1			Structures	Photo Documentation				39.762012 ° -121.797330 °	39.762012 ° -121.797330 °	Y	23
2			Structures	Vegetation & Obstructions		A		39.762010 ° -121.797328 °	39.762010 ° -121.797328 °	Y	1
3	0.00	0.00	Structures	Shoaling / Sedimentation		A		39.762012 ° -121.797330 °	39.762012 ° -121.797330 °		2
4	0.00	0.00	Structures	Erosion / Bank Caving		A		39.762012 ° -121.797330 °	39.762012 ° -121.797330 °		3
5	0.00	0.00	Structures	Revetments		A		39.762012 ° -121.797330 °	39.762012 ° -121.797330 °		4
6	0.00	0.00	Structures	Encroachments		M		39.762012 ° -121.797330 °	39.762012 ° -121.797330 °		5
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N		39.762012 ° -121.797330 °	39.762012 ° -121.797330 °		6
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N		39.762012 ° -121.797330 °	39.762012 ° -121.797330 °		7
9	0.00	0.00	Structures	Metal Pipes		N		39.762012 ° -121.797330 °	39.762012 ° -121.797330 °		8
10	0.00	0.00	Structures	Trash Racks		N		39.762012 ° -121.797330 °	39.762012 ° -121.797330 °		9
11	0.00	0.00	Structures	Flap Gates		N		39.762012 ° -121.797330 °	39.762012 ° -121.797330 °		10
12	0.00	0.00	Structures	Sluice/Slide Gates		N		39.762012 ° -121.797330 °	39.762012 ° -121.797330 °		11
13	0.00	0.00	Structures	Electric Gate Operators		N		39.762012 ° -121.797330 °	39.762012 ° -121.797330 °		12
14	0.00	0.00	Structures	Manual Gate Operators		N		39.762012 ° -121.797330 °	39.762012 ° -121.797330 °		13
15	0.00	0.00	Structures	Concrete Surfaces		A		39.762012 ° -121.797330 °	39.762012 ° -121.797330 °		14
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A		39.762012 ° -121.797330 °	39.762012 ° -121.797330 °		15
17	0.00	0.00	Structures	Concrete Foundations		A		39.762012 ° -121.797330 °	39.762012 ° -121.797330 °		16

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Butte County Public Works

Structure	Structure Length	Inspection Start/End	Inspector
Lindo Channel Diversion Weir		09/03/2010 09/03/2010	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue No.
	Start	End						Start	End		
18	0.00	0.00	Structures	Security Fencing		A		39.762012 ° -121.797330 °	39.762012 ° -121.797330 °		17
19	0.00	0.00	Structures	Closure Structures		N		39.762012 ° -121.797330 °	39.762012 ° -121.797330 °		18
20	0.00	0.00	Structures	Trash Rakes		N		39.762012 ° -121.797330 °	39.762012 ° -121.797330 °		19
21	0.00	0.00	Structures	Other Metallic Items		N		39.762012 ° -121.797330 °	39.762012 ° -121.797330 °		20
22	0.00	0.00	Structures	Monolith Joints		A		39.762012 ° -121.797330 °	39.762012 ° -121.797330 °		21
23	0.00	0.00	Structures	Safety		N		39.762012 ° -121.797330 °	39.762012 ° -121.797330 °		22

*** Location**

LS : Land Side
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Butte County Public Works

Structure	Structure Length	Inspection Start/End	Inspector
Lindo Channel Diversion Weir		09/03/2010 09/03/2010	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Photo Documentation

View of the structure.

rduffey_t_20100914_087.jpg



Levee Mile Report Line	2
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Vegetation & Obstructions

Upstream side of the structure from the left bank.

rduffey_t_20100914_085.jpg



Levee Mile Report Line	2
Start Levee Mile	
End Levee Mile	
Location	
Category	Structures
Item	Vegetation & Obstructions

The velocity dissipaters on the downstream side of structure from the left bank.

rduffey_t_20100914_086.jpg



*** Location**

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